

ABSTRACT

A recloser trips on one phase for single-phase only fault conditions, two phases for two-phase fault conditions, or all three phases for three-phase fault conditions. During power
5 delivery, the recloser monitors the three phases of a power line (e.g., phases A, B, and C). If a fault is detected on one phase, then a timer is started and subsequently decremented. If the timer
finishes counting down while the fault is still present, then it is determined if any of the other two
phases are timing a fault. If so, then those phases having a fault are tripped. Thus, only the
faulted phase(s) is (are) tripped.